Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be Identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' " M.P.E.P. § 601, 7th ed.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Box Patent Application** Assistant Commissioner for Patents Washington, D.C. 20231

### NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s):

Turkka KEINONEN, Harri WIKBERG, Miika SILFVERBERG

WARNING: 37 C.F.R. \$ 1.41(a)(1) points out:

\*(a) A patent is applied for in the name or names of the actual inventor or inventors.

(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(f)

is filed supplying or changing the name or names of the inventor or inventors."

For (title):

KEYBOARD ARRANGEMENT

#### CERTIFICATION UNDER 37 C.F.R. & 1.10\* (Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as attached therein are being deposited with the United States Postal Service on this date \_\_28\_December\_2000 as "Express Mail Post Office to Addressee," malling Label Number \_\_EL627424150US dressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Shauna Murphy

(type or print name of person mailing paper)

Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 4.0 cannot be used to obtain a date of mailing or transmission for this correspondence.

"WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing, 37 C.F.R. § 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mall mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

(New Application Transmittal [4-1]—page 1 of 11)



N N 01

#### 1. Type of Application

This new application is for a(n)

(check one applicable Item below) Original (nonprovisional) Design ☐ Plant WARNING: Do not use this transmittal for a completion in the U.S. of an international Application under 35 U.S.C. § 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application. WARNING: Do not use this transmittal for the filing of a provisional application. NOTE: If one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION. □ Divisional. Continuation. Continuation-in-part (C-I-P).

# 2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. § 112. Each prior application must also be:

- (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or
  - (ii) Complete as set forth in § 1.51(b); or
- (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
- (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(f) within the time period set forth in § 1.53(f).

37 C.F.R. \$ 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an international Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following Item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-l-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

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	WAI	RNI <b>NG</b> :	When the last polypendency of a provisional application falls on a day, Sunday, or Federal holiday with District of Columbia, any nonprovisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).
	·		The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.
	3. P	ap <b>ers</b>	Enclosed
		Requi	ired for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153
		,	es of specification
			es of claims
			ets of drawing
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	s c tt	DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired or comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 7-62).
	NOTE:	the Off on the	Ifying Indicia, if provided, should include the application number or the title of the invention, or's name, docket number (if any), and the name and telephone number of a person to call if fice is unable to match the drawings to the proper application. This information should be placed back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top page" 37 C.F.R. § 1.84(c)).
			(complete the following, if applicable)
			enclosed drawing(s) are photograph(s), and there is also attached a TITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 84(b).
		form	nal .
		Infor	mal
	B. Ot	her Pa	pers Enclosed
	1	Pages	of declaration and power of attorney
	F	Pages (	of abstract
		Other	
4.	Addit	lional j	papers enclosed
			ndment to claims
			Cancel in this applications claims before calculating the filing fee. (At least one original independent claim must be etained for filing purposes.)
		□ A b	dd the claims shown on the attached amendment. (Claims added have een numbered consecutively following the highest numbered original
		Prelim	lnary Amendment
			nation Disclosure Statement (37 C.F.R. § 1.98)
		Form	PTO-1449 (PTO/SB/08A and 08B)
		Citatio	

(New Application Transmittal [4-1]—page 3 of 11)

WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.
The inventorship for all the claims in this application are:
☐ The same.
or
<ul> <li>Not the same. An explanation, including the ownership of the various claims a the time the last claimed invention was made,</li> </ul>
is submitted.
☐ will be submitted.
7. Language
NOTE: An application including a signed oath or declaration may be filed in a language other than English An English translation of the non-English language application and the processing fee of \$130.00 required by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 C.F.R. § 1.52(d).
☐ English
☐ Non-English
The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).
8. Assignment
An assignment of the invention to Nokia Mobile Phones Ltd.
is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 Is also attached.
🖾 will follow.
NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).
WARNING: A newly executed "CERTIFICATE UNDER 37 C.F.R. § 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

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9. Certified Co.	рy
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Certified copy(les) of application(s)

Country		<b>Appin. No.</b> 19992822			Filed	
Finland					30 December	1999
Country		Appln. N	lo.	,		Filed
Country		Appln. N	o.		<u> </u>	Filed ·
from which priority is	claimed				4	
☐ Is (are) atta	ched.			•		
🖾 will follow.				•		
NOTE: The foreign appli declaration, 37 C	cation forming the	basis for the c	ialm fe	or priority must i	be referred to In 1	he oath o
§ 120 is itself ent	ny foreign priority or international App itled to priority froi V APPLICATION T	olication from wi m a prior foreign	nich th appli	ils application cla cation, then com	ilms benefit under plete Item 18 on t	r 35 U.S.C
10. Fee Calculation	(37 C.F.R. § 1	.16)				
A. 🗓 Regular app	lication	-				
	CI	LAIMS AS FI	LED			<del></del>
Number filed	N	umber Extra		Rate	Basic Fe 37 C.F.R. § \$ 710.0	1.16(a)
9 1.10(0))	<sup>18</sup> – 20 =	0	×	\$ 18.00	. 0	
Independent Claims (37 C.F.R. § 1.16(b)) 2	- 3 =	0	×	\$ 80.00	· . 0	
Multiple dependent cial if any (37 C.F.R. § 1.1			+	\$ 270.00		
☐ Amendment	cancelling extr	a cialms is	enclo	sed.	· · · · · · · · · · · · · · · · · · ·	
	deleting multip					
	claims is not					
NOTE: If the fees for extra c prior to the expirati notice of fee deficit	claims are not paid on of the time pe	on filing they mu	ıst be	paid or the claim	s cancelled by am nd Tredemark Off	endment, ice In any
	Filing Fe	e Calculation	1		\$ 710.00	
B. Design application (\$ 320.00 -37	ation C.F.R. § 1.16	<b>(1)</b>		•		
• .	Filing Fe	e Calculation	1		\$	
C. ☐ Plant applicat (\$ 490.00 –37	lon C.F.R. § 1.16	(a))			-	
• • • • • • • • • • • • • • • • • • • •		calculation			\$	
•					Ψ	

1	1. Sm	ell Entity Statement(s)	·
	- 🗀	Statement(s) that this is a filing by a small entity under 37 is (are) attached.	C.F.R. § 1.9 and 1.2
	WARNIN	G: "Status as a small entity must be specifically established in each applicatus is available and desired. Status as a small entity in one application or patent, including applications or patent and inclined the status reflied of an application under § 1.53 as a continuation, division, or condition of prosecution application under § 1.53(d)), or the filing of a continued prosecution application under § 1.53(d)), or the filing of a new determination as to continued entitlement to small entity status if application. A nonprovisional application claiming benefit under 35 U. 365(c) of a prior application, or a reissue application may rely on a supplication or in the patent if the nonprovisional application or the reference to the statement in the prior application or in the patent statement in the prior application or in the patent and status as a small entity basic statutory filing fee will be for purposes of this section." 37 C.F.R. § 1.28(a)(2).	plication or patent does not lents which are directly of the been established. The nitinuation-in-part (including reissue application require for the continuing or reissue S.C. § 119(e), 120, 121, of statement filed in the principle application includes a copy of the statement includes a copy of the planting includes a copy of the statement includes a copy of t
k	VARNING	"Small entity status must not be established when the person or persons can unequivocally make the required self-certification." M.P.E.P., § 5 1996 (emphasis added).	signing the statemen 09.03, 6th ed., rev. 2, July
		(complete the following, if applicable)	
		Status as a small entity was claimed in prior application	
		/	. from which benefit
		is boing cidimed for this application under:	-,
		35 U.S.C. § ☐ 119(e),	•
		□ 120, □ 121,	
		☐ 365(c),	
		and which status as a small entity is still proper and des	elrad
		☐ A copy of the statement in the prior application is in	
		Filing Fee Calculation (50% of A, B or C above)	ciuaea.
		A C STINISTICS (SO NO OF A, B OF C BDOVE)	i.
NO	TE: Anv.	excess of the full fee pold will be maded if and it will be	
		excess of the full fee paid will be refunded if small entitly status is establishiled within 2 months of the date of timely payment of a full fee. The indable under § 1.136. 37 C.F.R. § 1.28(a).	hed and a refund request wo-month period is not
12.	Reque	st for International-Type Search (37 C.F.R. § 1.104(d))	•
		(complete, if applicable)	
	□ P W	lease prepare an international-type search report for this ap hen national examination on the merits takes place.	plication at the time

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14.

•			
13. F	е Рау	ment Being Made at This Time	,
		t Enclosed	
		No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F., subsequently.)	R. § 1.16(e) can be pal
1	C) End	closed	
	<b>D</b> \$	Filling fee	\$ _710.00
		Recording assignment (\$40.00; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".)	\$
		Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. §§ 1.47 and 1.17(1))	•
		For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))	\$
		Processing and retention fee (\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l))	. \$
		Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e))	\$
	railing 10 37 C.F.R. either the	. § 1.21(1) establishes a fee for processing and retaining any a complete the application pursuant to 37 C.F.R. § 1.53(1) and §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the be basic filing fee must be paid, or the processing and retentioned from notification under § 53(f).	this, as well as the changes to
		Total fees enclosed	\$_710.00
4. Met		Payment of Fees	
Ω		k in the amount of \$710.00	<u> </u>
. 🗆	\$	ge Account No.	_ In the amount of
		olicate of this transmittal is attached.	
NOTE: F	ees shou	ld be Itemized in such a manner that it is clear for which purpo	ose the fees are paid, 37 C.F.R.



#### 15. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing, the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 16-1350
  - 版 37 C.F.R. § 1.16(a), (f) or (g) (filling fees)
  - 37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action,

- 37 C.F.R. § 1.16(e) (surcharge for filling the basic filling fee and/or declaration on a date later than the filling date of the application)
- 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)).
- XX 37 C.F.R. § 1.17 (application processing fees)

NOTE: ". . . A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a polition for an extension of time under this paragraph for its timely submission, as incorporating a polition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive polition for an extension of time in any concurrent or future reply requiring a polition for an extension of time under this paragraph for its timely submission. Submission of the fee sat forth in § 1.17(a) will also be treated as a constructive polition for an extension of time in any concurrent reply requiring a polition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).

- 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))
- NOTE: Where an authorization to charge the Issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the Issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. § 1.311(b).
- NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . the issue fee. . . " From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

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16.	Instructions	as	to	Overt	aym	nt
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NOTE:	Amounts of twenty-five dollars or less will not be returned unless specifically requested within
	a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may
	be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

X Credit Account No. 16-1350

☐ Refund

SEND ALL CORRESPONDENCE TO:

Clarence A. Green, Reg. No.: 24,622

PERMAN & GREEN, LLP

425 Post Road

Fairfield, Connecticut 06430

Reg. No. 24,622

Tel. No. ( 203) 259-1800

Customer No. 2512

SIGNATURE OF PRACTITIONER

Clarence A. Green

(type or print name of attorney)

PERMAN & GREEN, LLP

P.O. Address

425 Post Road, Fairfield, Connecticut 06430

(New Application Transmittal [4-1]—page 10 of 11)

	Inco	rporation by r f rence of added pages
	p s H	check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. lage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)
		Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed
		Number of pages added
		Plus Added Pages for Papers Referred to In Item 4 Above
		Number of pages added
		Pius added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.  Number of pages added
		Plus "Assignment Cover Letter Accompanying New Application"
	*	Number of pages added
(X)	State	ment Where No Further Pages Added
	(If thi	no further pages form a part of this Transmittal, then end this Transmittal with is page and check the following item)
	X	This transmittal ends with this page.

(New Application Transmittal [4-1]—page 11 of 11)